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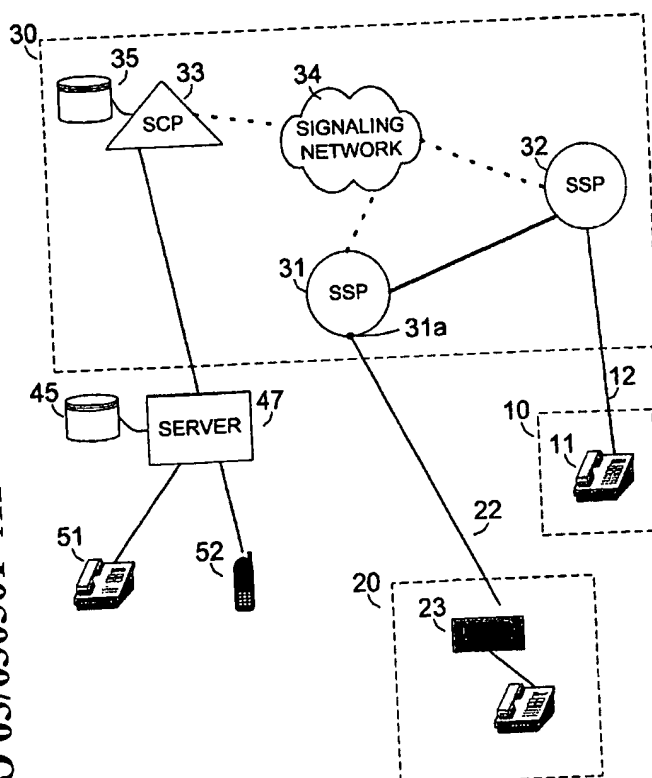
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(54) Title: SYSTEMS AND METHODS FOR RECORDING AND PROVIDING ENHANCED CALLER INFORMATION IN AN ADVANCED INTELLIGENT NETWORK



(57) Abstract: An enhanced caller-id service providing calling name and calling number (Fig. 2) information to subscribers via a server (40) system. The server system can combine the caller-id information with other data to provide more detailed reports for a subscriber. The server can also be used to maintain long-term calling records for subscribers. The caller-id information can be accessed remotely by the subscriber and can be downloaded from the server to another computer (60) for use with other applications.

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**SYSTEMS AND METHODS FOR RECORDING AND PROVIDING ENHANCED
CALLER INFORMATION IN AN ADVANCED INTELLIGENT NETWORK**

[0001] The present application is related to co-pending, commonly owned application of Larry D. Woodring, entitled "Systems and Methods for Providing User Profile Information in Conjunction With an Enhanced Caller Information System", U.S. Patent Number _____, now U.S. Application Serial Number 09/964,392 filed September 28, 2001, and which is herein incorporated by referenced in its entirety.

BACKGROUND

Field of the Invention

[0002] The present invention relates generally to telecommunications systems, and more particularly, the present invention relates to enhanced advanced intelligent network (AIN) services and extension of those services to a multipurpose server system.

Background of the Invention

[0003] "Caller-id" services such as calling number delivery (CND) and calling name delivery (CNAM) are well-known services implemented in Advanced Intelligent Networks ("AIN"). The implementation and operation of CND systems are described in Bellcore Specification TR-NWT-000031, Calling Number Delivery, which is incorporated herein by reference in its entirety. CNAM systems are described in Bellcore Specification TR-NWT-001188, Calling Name Delivery Generic Requirements, which is incorporated herein by reference in its entirety.

[0004] Caller-id services operate by providing a signal to a caller-id display device attached to a subscriber's telephone line. The device interprets the signal and displays or stores the information for future display to the subscriber. Conventional caller-id services are not available when the subscriber is away from the home or office. That is, subscribers typically cannot access the information stored by the caller-id device without being physically present to operate the device. Another problem with conventional caller-id services is the necessity to have a caller-id device to record the calling number and name when a call is